

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/050,994

Applicant : Jim Hunter, et al.

Filed : January 22, 2002

Title : HIGH CONTRAST GRATING LIGHT VALVE

Confirmation No. : 2175

Art Unit : 2872

Examiner : Alessandro V. AMARI

Atty Docket No. : CYPR-0018-CP2

DECLARATION UNDER 37 C.F.R. 1.131

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Doug Webb, do hereby declare and state that:

1. I was an employee of Silicon Light Machine prior to December, 1998. I remained an employee of Silicon Light Machine, and then Cypress Semiconductor Corp. when Silicon Light Machine was acquired by Cypress Semiconductor Corp. I remain an employee of Cypress Semiconductor Corp., working in the Silicon Light Machine unit, as of today.

2. During my employment at Silicon Light Machine, prior to the 1st of December, 1998, I was responsible for, among other things, design of drive electronics for the actual devices developed at Silicon Light Machine. I have reviewed the Declaration of Hunter and Amm submitted herewith which reflects the testing of a reflective light processing element, that is, a grating light valve, which can be described as including two sets of reflective ribbons arranged in alternating fashion above a substrate which supports a dielectric layer. A conductive trace is formed on the dielectric layer, because operation of the device calls for the application of electric fields to move the sets of ribbons, one relative to the other. In use, charges will build up in the dielectric layer if not dissipated by the conductive trace.

3. I recall testing of this type of grating light valve being conducted at Silicon Light Machines prior to December, 1998. I have reviewed Exhibit A attached to the Declaration of Hunter and Amm, which is a three page document bearing the title "0-order Charging". I cannot be certain whether or not the testing reflected therein is in fact testing that was conducted prior to December, 1998, but it is certainly reflective of the kind of testing done, prior to December 1998, testing that demonstrated modulation of reflected light in response to application of electric fields, and dissipation of charges built up in the dielectric layer through the provision of a conductive trace on that layer. This was a device successfully tested at Silicon Light Machines, prior to December, 1998. The testing was conducted, to the best of my memory, as part of a program to determine whether such devices could be developed for commercial practice.

4. All statements made herein of my own knowledge herein are true, and all statements made on information believed are believed to be true. Further, I am aware that willful full statements and the like are punishable by fines, imprisonment, or both, 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of U.S. Patent Application 10/050,949 and any patent to issue thereon.

Doug Webb

Douglas L. Webb

Date 7/9/07